(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 15 July 2004 (15.07.2004)

PCT

(10) International Publication Number WO 2004/060013 A1

(51) International Patent Classification7:

H04Q 7/38

(21) International Application Number:

PCT/KR2003/002720

(22) International Filing Date:

12 December 2003 (12.12.2003)

(25) Filing Language:

Korean

(26) Publication Language:

English

KR

(30) Priority Data: 10-2002-0087462

30 December 2002 (30.12.2002) KR

10-2003-0053898 4 August 2003 (04.08.2003)

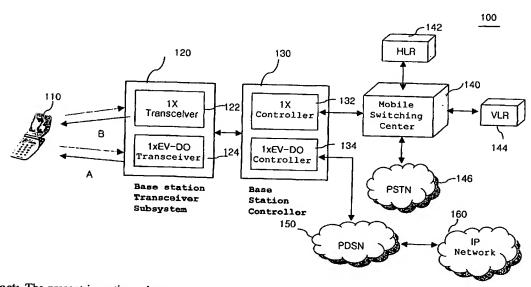
- (71) Applicant (for all designated States except US): SK TELECOM CO., LTD. [KR/KR]; 99, Seorin-dong, Jongro-gu, 110-110 Seoul (KR).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LEE, Jonghun

[KR/KR]; 407-504 Samho Apt., Arummaul, Imae-dong, Bundang-gu, Seongnam-si, 463-060 Gyeonggi-do (KR).

- (74) Agents: LEE, Chulhee et al.; 14F., Hyundai Marine & Fire Insurance Bldg., 646 Yeoksam-dong, Gangnam-gu, Seoul, 135-080 (KR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR PREVENTING CALL DROP BY RESTRICTING OVERHEAD MESSAGE UP-DATED IN 1X SYSTEM DURING 1XEV-DO TRAFFIC STATE



(57) Abstract: The present invention relates to a method and system for preventing a call drop by limiting a search time of a 1X system while in traffic with a 1xEV-DO system. The system comprises: a hybrid access terminal, supporting both a 1xEV-DO system and a 1X system, for periodically switching over to the 1X system and receiving an overhead message while in traffic with the 1xEV-DO system, and switching back to the 1xEV-DO system upon receiving a prescribed overhead message a base station transceiver subsystem for exchanging a voice data or a packet data with the hybrid access terminal a mobile switching center for providing a communication path for the hybrid access terminal; and a packet data serving node connected to the 1xEV-DO controller for exchanging the packet data with the 1xEV-DO system.

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.